



**UNITED STATES PATENT AND TRADEMARK OFFICE**

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**10/626327**

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Date Mailed: September 2, 2004

**Notice Regarding Drawings**

Corrected drawings for the above-identified application, received in the USPTO on 7-24-03 are still not acceptable for the reason(s) identified on the attached PTO-948. Applicant is given one opportunity to correct the informalities within a two-month time period from the mailing date of this Notice. **THIS TIME PERIOD IS NOT EXTENDABLE UNDER EITHER 37 CFR 1.136(a) OR 1.136(b).** Failure to take corrective action within the set period will result in abandonment of the application.

ATTACHMENT: PTO-948 Notice of Draftsperson's Patent Review

**RETURN CORRECTED DRAWINGS TO:**  
**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, Virginia 22313-1450**

**Steven Fields**  
**Office of Patent Publication**  
**Publishing Division**  
**(703) 305-8335**

## NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

The drawing(s) filed (insert date) 7/24/03 are:

- A.  approved by the Draftsperson under 37 CFR 1.84 or 1.152.  
B.  objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. Corrected drawings are required.

<p><b>1. DRAWINGS.</b> 37 CFR 1.84(a): Acceptable categories of drawings: Black ink or Color (3 sets required).</p> <p><input type="checkbox"/> Color drawings are not acceptable until petition is granted. Fig(s) _____</p> <p><input type="checkbox"/> Pencil and non black ink not permitted. Fig(s) _____</p>	<p><b>8. ARRANGEMENT OF VIEWS.</b> 37 CFR 1.84(i)</p> <p><input type="checkbox"/> Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) _____</p>
<p><b>2. PHOTOGRAPHS.</b> 37 CFR 1.84(b)</p> <p><input type="checkbox"/> One (1) full-tone set is required. Fig(s) _____</p> <p><input type="checkbox"/> Photographs may not be mounted. 37 CFR 1.84(e)</p> <p><input type="checkbox"/> Photographs must meet paper size requirements of 37 CFR 1.84(f). Fig(s) _____</p> <p><input type="checkbox"/> Poor quality (half-tone). Fig(s) _____</p>	<p><b>9. SCALE.</b> 37 CFR 1.84(k)</p> <p><input type="checkbox"/> Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction. Fig(s) _____</p>
<p><b>3. TYPE OF PAPER.</b> 37 CFR 1.84(e)</p> <p><input type="checkbox"/> Paper not flexible, strong, white, and durable. Fig(s) _____</p> <p><input checked="" type="checkbox"/> Erasures, alterations, overwritings, interlineations, folds, <u>copy machine</u> marks not accepted. Fig(s) <u>1-11</u></p>	<p><b>10. CHARACTER OF LINES, NUMBERS, &amp; LETTERS.</b> 37 CFR 1.84(l)</p> <p><input checked="" type="checkbox"/> Lines, numbers &amp; letters not uniformly thick and well defined, clean, durable, and black (poor line quality). Fig(s) <u>1-11</u></p>
<p><b>4. SIZE OF PAPER.</b> 37 CFR 1.84(f): Acceptable sizes:</p> <p>21.0 cm by 29.7 cm (DIN size A4) or 21.6 cm by 27.9 cm (8 1/2 x 11 inches)</p> <p><input type="checkbox"/> All drawing sheets not the same size. Sheet(s) _____</p> <p><input type="checkbox"/> Drawings sheets not an acceptable size. Fig(s) _____</p>	<p><b>11. SHADING.</b> 37 CFR 1.84(m)</p> <p><input type="checkbox"/> Solid black areas pale. Fig(s) _____</p> <p><input type="checkbox"/> Solid black shading not permitted. Fig(s) _____</p>
<p><b>5. MARGINS.</b> 37 CFR 1.84(g): Acceptable margins: Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm</p> <p><input type="checkbox"/> Margins not acceptable. Fig(s) _____</p> <p><input type="checkbox"/> Top (T) _____ Left (L) _____ <input type="checkbox"/> Right (R) _____ Bottom (B) _____</p>	<p><b>12. NUMBERS, LETTERS, &amp; REFERENCE CHARACTERS.</b> 37 CFR 1.84(p)</p> <p><input checked="" type="checkbox"/> Numbers and reference characters not plain and legible. Fig(s) <u>1-11</u></p> <p><input checked="" type="checkbox"/> Figure legends are poor. Fig(s) <u>1-11</u></p> <p><input type="checkbox"/> Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1) Fig(s) _____</p> <p><input type="checkbox"/> English alphabet not used. 37 CFR 1.84(p)(2) Fig(s) _____</p> <p><input type="checkbox"/> Numbers, letters and reference characters must be at least 32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3). Fig(s) _____</p>
<p><b>6. VIEWS.</b> 37 CFR 1.84(h)</p> <p>REMINDER: Specification may require revision to correspond to drawing changes, e.g., if Fig. 1 is changed to Fig. 1A, Fig 1B and Fig. 1C, etc., the specification, at the Brief Description of the Drawings, must likewise be changed.</p> <p><input type="checkbox"/> Views not labeled separately or properly. Fig(s) _____</p>	<p><b>13. LEAD LINES.</b> 37 CFR 1.84(q)</p> <p><input type="checkbox"/> Lead lines missing. Fig(s) _____</p>
<p><b>7. SECTIONAL VIEWS.</b> 37 CFR 1.84(h)(3)</p> <p><input type="checkbox"/> Sectional designation should be noted with Arabic or Roman numbers. Fig(s) _____</p>	<p><b>14. NUMBERING OF SHEETS OF DRAWINGS.</b> 37 CFR 1.84(t)</p> <p><input type="checkbox"/> Sheets not numbered consecutively, and in Arabic numbers beginning with number 1. Sheet(s) _____</p>
	<p><b>15. NUMBERING OF VIEWS.</b> 37 CFR 1.84(u)</p> <p><input type="checkbox"/> Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____</p>
	<p><b>16. DESIGN DRAWINGS.</b> 37 CFR 1.152</p> <p><input type="checkbox"/> Surface shading shown not appropriate. Fig(s) _____</p> <p><input type="checkbox"/> Solid black surface shading is not permitted except when used to represent the color black as well as color contrast. Fig(s) _____</p>

### COMMENTS:

Reviewer S. Feldt

If you have questions, call (703) 305-8404.

Date 9/2/04

Attachment to Paper No. \_\_\_\_\_